

CECW-EG

**DEPARTMENT OF THE ARMY  
U.S. Army Corps of Engineers  
Washington, DC 20314-1000**

ETL 1110-2-555

Technical Letter  
No. 1110-2-555

30 November 1997

**Engineering and Design  
DESIGN GUIDANCE ON LEVEES**

**1. Purpose.** The purpose of this engineer technical letter (ETL) is to provide guidance on minimum acceptable factors of safety against development of undesirable seepage emergence and sand boil initiation for flood control levees with a landside top stratum.

**2. Applicability.** This ETL applies to USACE commands having civil works responsibilities.

**3. Distribution Statement.** Approved for public release, distribution is unlimited.

FOR THE COMMANDER:

A handwritten signature in black ink, appearing to read 'S. L. Stockton', is positioned above the printed name and title.

STEVEN L. STOCKTON, P.E.  
Chief, Engineering Division  
Directorate of Civil Works